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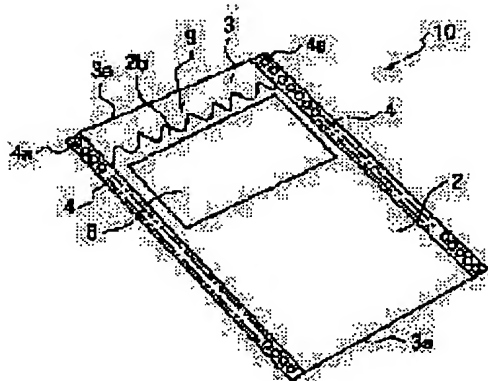
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## (54) STORAGE PAPER BAG

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To prevent skin from being scratched with the open end of a storage paper bag when an item to be stored is put into it and when the stored item is taken out of it, by a method in which the open end part of at least one of two pieces of paper, used for making the bag sealed along its periphery so that its one side is opened, is formed curvally.

**SOLUTION:** A storage paper bag 10, as for DP, which stores photographs and films is formed by superimposing rectangular upper paper 2 and lower paper 3 which is slightly larger in longitudinal size and has a level difference between the upper paper 2 and it, and by sticking three sides of the upper paper 2 and lower paper 3 with adhesive 5. In both sides of the upper paper 2 and lower paper 3, marginal punch areas 4, in which holes 4a for feeding are arranged at specific intervals, are formed. The remaining one side of the upper paper 2 and that of the lower paper 3 are not stuck to each other, and, on their one sides, an opening 9 comprising repeated curves in a wavy form is formed. Also, a form 6, consisting of a plurality of pieces of carbon paper or the like, is superimposed and stuck onto the upper paper 2, to allow information such as customer's name and date to be recorded on it.



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CLAIMS

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## [Claim(s)]

[Claim 1] The receipt paper bag in which it is the receipt paper bag which can contain a contained object from opening, and the open end of one [ at least ] bag formation form is formed in the shape of a curve among said two sheets of bag formation forms among said two sheets of bag formation forms with which the periphery was blocked so that two sheets of bag formation forms might pile up and only one side might carry out opening.

[Claim 2] The open end of one [ said / at least ] bag formation form is a receipt paper bag according to claim 1 currently formed in the shape of a repeat wave.

[Claim 3] The receipt paper bag which is a receipt paper bag which can contain a contained object from opening among said two sheets of bag formation forms with which the periphery was blocked as two sheets of bag formation forms pile up and only one side carries out opening, and the open end of one [ at least ] bag formation form bends on either the inside of the storage bag concerned, and the outside among said two sheets of bag formation forms.

[Claim 4] The receipt paper bag in which it is the receipt paper bag which can contain a contained object from opening, and the perforation is formed along the opening edge concerned among said two sheets of bag formation forms near the opening edge of one [ at least ] bag formation form among said two sheets of bag formation forms with which the periphery was blocked so that two sheets of bag formation forms might pile up and only one side might carry out opening.

[Claim 5] The receipt paper bag in which it is the receipt paper bag which can contain a contained object from opening among said two sheets of bag formation forms with which the periphery was blocked as two sheets of bag formation forms pile up and only one side carries out opening, and the opening edge of one [ at least ] bag formation form is judged by the perforation among said two sheets of bag formation forms.

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DETAILED DESCRIPTION

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[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the receipt paper bag which can contain a contained object among two sheets of papers in which the periphery was blocked so that only one side, such as an envelope, might carry out opening.

[0002]

[Description of the Prior Art] For example, in order to deliver a photograph and a film between the request Lord and a processing laboratory through an agency, and to contain a photograph and a film, the receipt paper bag called DP (Developing Printing) bag is used. The above-mentioned DP bag has pasted up the 3 circumferences of superposition, an overlay 2, and the lower paper 3 which face for the lower paper 3 which makes the DP bag 1 larger than the dimension of the longitudinal direction of an overlay 2 and this overlay 2, and has a level difference between overlays 2 through adhesives 5, as shown in drawing 7 (a) and (b). The one remaining sides of an overlay 2 and the lower paper 3 are not pasted up, but this one-side side serves as opening 9. Moreover, on an overlay 2, the document 6 which consists of the carbonic paper of two or more sheets and the non carbonic paper has pasted up in piles, and can fill in predetermined information. The marginal punch section 4 by which hole 4a for delivery was arranged at intervals of predetermined is formed in the both-sides section of an overlay 2 and the lower paper 3. In case the DP bag 1 is formed continuously, or in case this marginal punch section 4 is printed into the DP bag 1, it is conveyed in the array direction of hole 4a by the sprocket which gears to the sprocket of a winder and is rotated.

[0003] Manufacture of the DP bag 1 performs predetermined printing, and prepares the continuous form of two sheets which formed the marginal punch section 4 in the both-sides section. A perforation is formed in one continuous form at a longitudinal direction at intervals of the die length of the lower paper 3 of the DP bag 1. Moreover, it leaves the marginal punch section 4 which follows the continuous form of another side in the level difference part of the shape of a rectangle of an overlay 2 and the lower paper 3, and judges in the shape of a ladder by the cutter. And a winder is equipped with the continuous form of two sheets, adhesives 5 are applied to the position of the above-mentioned continuous form of two sheets, and both are stuck one by one. Of this, after the DP bag 1 has continued, it is formed, and the DP bag 1 is completed by cutting the above-mentioned perforation by the burster.

[0004]

[Problem(s) to be Solved by the Invention] However, since open end 2a of an overlay 2 was judged by the cutter, when the above DP bags 1 have become very sharp, extended opening 9, and a photograph and a film were contained in the DP bag 1 or they took them out from the inside of the DP bag 1, they might damage the skins, such as a fingertip.

[0005] This invention is made that the disadvantageous profit in this conventional receipt paper bag should be canceled, and aims at offering the receipt paper bag which does not have a possibility that the skin may get damaged when the skins, such as a fingertip, contact the opening edge of a receipt paper bag, in the case of receipts and payments of the contained object which led opening to a receipt paper bag.

[0006]

[Means for Solving the Problem] Among said two sheets of bag formation forms with which the periphery was blocked so that two sheets of bag formation forms might pile up the receipt paper bag concerning this invention and only one side might carry out opening, it is the receipt paper bag which can contain a contained object from opening, and the open end of one [ at least ] bag formation form is formed in the shape of a curve among said two sheets of bag formation forms.

[0007] Preferably, the open end of one [ said / at least ] bag formation form is formed in the shape of a repeat wave.

[0008] The receipt paper bag concerning this invention is a receipt paper bag which can contain a contained object from opening among said two sheets of bag formation forms with which the periphery was blocked, as two sheets of bag formation forms pile up and only one side carries out opening, and the open end of one [ at least ] bag formation form bends it on either the inside of the storage bag concerned, and the outside among said two sheets of bag formation forms.

[0009] It is the receipt paper bag which can contain a contained object from opening, and the perforation is formed along the opening edge concerned among said two sheets of bag formation forms near the opening edge of one [ at least ] bag formation form among said two sheets of bag formation forms with which the periphery was blocked so

that two sheets of bag formation forms might pile up the receipt paper bag concerning this invention and only one side might carry out opening.

[0010] As two sheets of bag formation forms pile up the receipt paper bag concerning this invention and only one side carries out opening, it is the receipt paper bag which can contain a contained object from opening among said two sheets of bag formation forms with which the periphery was blocked, and the opening edge of one [ at least ] bag formation form is judged by the perforation among said two sheets of bag formation forms.

[0011]

[Embodiment of the Invention] Hereafter, the gestalt of operation of this invention is explained to a detail with reference to a drawing.

1st operation gestalt drawing 1 is the explanatory view showing the 1st operation gestalt of the receipt paper bag concerning this invention, (a) is a perspective view and (b) is a sectional view. As shown in drawing 1, the lower paper 3 which enlarges a little and has a level difference between overlays 2 rather than the dimension of the longitudinal direction of the rectangle-like overlay 2 and this overlay 2 will pile up and be put together of the receipt paper bag 10. The 3 circumferences of an overlay 2 and the lower paper 3 which face are pasted up through adhesives 5. Moreover, the marginal punch section 4 by which hole 4a for delivery was arranged at intervals of predetermined is formed in the both-sides section of an overlay 2 and the lower paper 3.

[0012] Moreover, the one remaining sides of an overlay 2 and the lower paper 3 are not pasted up, but this one-side side serves as opening 9, and open end 2b of the overlay 2 located in an opening 9 side is formed with the repeat wave-like curve. Furthermore, on the overlay 2, the document 6 which consists of the carbonic paper of two or more sheets and the non carbonic paper has pasted up in piles, for example, information, such as a customer's name and a date, can be filled in.

[0013] Predetermined printing is performed and manufacture of the receipt paper bag 10 constituted as mentioned above prepares the continuous form of two sheets for forming the overlay 2 and the lower paper 3 which formed the marginal punch section 4 in the both-sides section. A perforation is formed in the continuous form for forming the lower paper 3 at intervals of the die length of the lower paper 3 at a longitudinal direction. The level difference part of the shape of a rectangle of an overlay 2 and the lower paper 3 is formed in the continuous form for forming an overlay 2. In case the level difference section is formed in the continuous form for forming an overlay 2, it leaves the marginal punch section 4 and judges in the shape of a ladder by the cutter. At this time, one side of a level difference part is judged on the curve of the shape of an above-mentioned repeat wave. the cutter by which the cutting edge was repeatedly formed in the wave-like curve in order to have judged on the repeat wave-like curve — it judges. And a winder is equipped with the continuous form of two sheets, adhesives 5 are applied to the position of the above-mentioned continuous form of two sheets, and both are stuck one by one. It is formed after the receipt paper bag 10 shown in drawing 1 has continued by this. Subsequently, the receipt paper bag 10 of a simple substance completes the receipt paper bag 10 formed in the condition of having continued by cutting the perforation formed in the continuous form for lower paper 3 formation by the burster.

[0014] The receipt paper bag 10 constituted as mentioned above opens opening 9, contains contained objects, such as a photograph and a film, between an overlay 2 and the lower paper 3, and takes out a contained object through opening 9 to it. When actuation which opens the opening 9 of the receipt paper bag 10, contains and takes out, and carries out a contained object is performed, the skins, such as a fingertip, may contact open end 2b of the overlay 2 located in an opening 9 side. Since opening edge 2b of an overlay 2 is repeatedly formed in the wave-like curve if the skins, such as a fingertip, touch opening edge 2b of the location of an arrow head A as shown in drawing 2, this part is easily bent by this operation gestalt, and the skin stops easily being able to contact decision section 2c which is the edge of opening edge 2b with it. For this reason, it can prevent that the skin is damaged by decision section 2c which is the edge of opening edge 2b of an overlay 2 as much as possible.

[0015] Moreover, since both-ends 3a of the lower paper 3 is cut by the perforation with this operation gestalt, the cutting section does not become sharp, but even if it contacts both-ends 3a of the lower paper 3, there is no possibility that the skin may be damaged. In addition, in this operation gestalt, although the configuration of opening edge 2b of an overlay 2 was repeated and it is wavelike, opening edge 2b tends to be bent by other curvilinear configurations, and should just be formed in them.

[0016] 2nd operation gestalt drawing 3 is the perspective view showing the 2nd operation gestalt of the receipt paper bag of this invention. A different point between the receipt paper bags 10 explained in the receipt paper bag 20 and the 1st operation gestalt which are shown in drawing 3 is the structure of the opening edge of an overlay 2, and is the same about other points. In drawing 3, opening edge 2b of the overlay 2 of the receipt paper bag 20 is formed linearly, and perforation 2c is formed in the overlay 2 along with this opening edge 2b. In case this perforation 2c manufactures the receipt paper bag 20, it is beforehand formed in the continuous form for forming the above-mentioned overlay 2 at intervals of predetermined.

[0017] As shown in drawing 4, when the opening 9 of the receipt paper bag 20 is opened, actuation which contains and takes out and carries out a contained object is performed and the skins, such as a fingertip, contact the location of an arrow head B by forming perforation 2c along with opening edge 2b of the receipt paper bag 20, in perforation 2c, it becomes easy to bend opening edge 2b. For this reason, it can prevent that the skin stops easily being able to contact 2d of decision sections which are a edge of opening edge 2b, and the skin is damaged by 2d of decision sections which are a edge of opening edge 2b of an overlay 2 as much as possible.

[0018] 3rd operation gestalt drawing 5 is the perspective view showing the 3rd operation gestalt of the receipt paper bag of this invention. A different point among the receipt paper bags 10 and 20 explained in the receipt paper bag

30, 1st, and 2nd operation gestalten shown in drawing 5 is the structure of the opening edge of an overlay 2, and is the same about other points. In drawing 5, open end 2b of the overlay 2 of the receipt paper bag 30 is bent by the outside of the receipt paper bag 30. By considering as such a configuration, the opening 9 of the receipt paper bag 20 is opened, and when actuation which contains and takes out and carries out a contained object is performed, the skins, such as a fingertip, will contact ups-and-downs section 2e formed when open end 2b is bent. Since 2f of ups-and-downs sections is not sharp, that the skin is damaged does not have them. In addition, in this operation gestalt, although considered as the configuration which bent opening edge 2b of an overlay 2 on the outside of the receipt paper bag 30, even if it bends inside the receipt paper bag 30, the same operation effectiveness is acquired.

[0019] 4th operation gestalt drawing 6 is the top view of an overlay 2 in order to explain the 4th operation gestalt of the receipt paper bag of this invention. the 1- which described the configuration of other parts above although drawing 6 showed near open end 2b of an overlay 2 -- it is the same as that of the 3rd operation gestalt. In drawing 6, the edge of open end 2b of an overlay 2 is cut by the perforation, and when cut by the perforation, it is in the condition that 2f of cutting parts remained. Since 2f of cutting parts remains, the edge of open end 2b of an overlay 2 is not sharp. Therefore, when actuation which opens opening of a receipt paper bag, contains and takes out, and carries out a contained object is performed, even if the skin contacts the edge of open end 2b of an overlay 2, there is no possibility that the skin may get damaged.

[0020] As explained above, according to the receipt paper bag concerning the above-mentioned operation gestalt, the skin is not damaged at the opening edge of a receipt paper bag, and it becomes a safe receipt paper bag. In addition, with this operation gestalt, in case a receipt paper bag is manufactured continuously, manufacture effectiveness can be raised by making a receipt paper bag follow a single tier, arranging a receipt paper bag in two or more trains, and forming the marginal punch section 4 in the both ends of the receipt paper bag located in a line, although considered as the configuration which forms the marginal punch section 4 in the both sides. [ two or more ]

[0021]

[Effect of the Invention] According to this invention, even if the skin contacts an open end, the receipt paper bag which cannot damage the skin and can carry out receipt and ejection of a contained object to insurance can be obtained.

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DESCRIPTION OF DRAWINGS

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[Brief Description of the Drawings]

[Drawing 1] It is the explanatory view showing the 1st operation gestalt of the receipt paper bag concerning this invention, and (a) is a perspective view and (b) is a sectional view.

[Drawing 2] It is the explanatory view showing the condition that the skin etc. contacted the opening edge of the overlay of drawing 1 .

[Drawing 3] It is the perspective view showing the 2nd operation gestalt of the receipt paper bag of this invention.

[Drawing 4] It is the explanatory view showing the condition that the skins, such as a fingertip, contacted the open end of the overlay of drawing 4 .

[Drawing 5] Drawing 5 (a) is the perspective view showing the 3rd operation gestalt of the receipt paper bag of this invention, and (b) is a sectional view.

[Drawing 6] In order to explain the 4th operation gestalt of the receipt paper bag of this invention, it is the top view of an overlay 2.

[Drawing 7] It is the explanatory view showing an example of the structure of the conventional receipt paper bag, and (a) is a perspective view and (b) is a sectional view.

[Description of Notations]

10, 20, 30 — Receipt paper bag

2 — Overlay

2b — Open end

3 — Bottom paper

4 — Marginal punch section

9 — Opening

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[Translation done.]

【物件名】

刊行物 8

【添付書類】

5 087

刊行物 8

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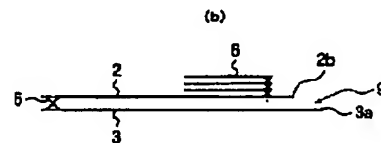
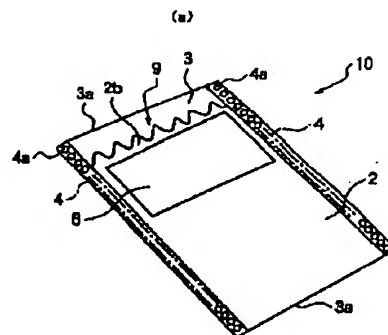
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(54) 【発明の名称】 収納紙袋

(57) 【要約】

【課題】 収納紙袋への開口部を通じた被収納物の出し入れの際に、収納紙袋の開口端に指先等の皮膚が接触することによって皮膚が傷つくおそれのない収納紙袋を提供する。

【解決手段】 2枚の袋形成用紙2、3が重ね合わされ、一辺のみが開口するように外周が封鎖された、2枚の袋形成用紙2、3の間に開口部9から被収納物を収納可能な収納紙袋であって、2枚の袋形成用紙2の袋形成用紙の開口端部2bが曲線状に形成されているものとした。



(2)

特開平10-324344

2

## 【特許請求の範囲】

【請求項1】2枚の袋形成用紙が重ね合わされ、一辺のみが開口するように外周が封鎖された、前記2枚の袋形成用紙の間に開口部から被収納物を収納可能な収納紙袋であって、

前記2枚の袋形成用紙のうち、少なくとも一方の袋形成用紙の開口端部が曲線状に形成されている収納紙袋。

【請求項2】前記少なくとも一方の袋形成用紙の開口端部は、繰り返し波状に形成されている請求項1に記載の収納紙袋。

【請求項3】2枚の袋形成用紙が重ね合わされ、一辺のみが開口するように外周が封鎖された、前記2枚の袋形成用紙の間に開口部から被収納物を収納可能な収納紙袋であって、

前記2枚の袋形成用紙のうち、少なくとも一方の袋形成用紙の開口端部が当該収納袋の内側および外側のいずれか一方に曲折されている収納紙袋。

【請求項4】2枚の袋形成用紙が重ね合わされ、一辺のみが開口するように外周が封鎖された、前記2枚の袋形成用紙の間に開口部から被収納物を収納可能な収納紙袋であって、

前記2枚の袋形成用紙のうち、少なくとも一方の袋形成用紙の開口端の近傍に当該開口端に沿ってミシン目が形成されている収納紙袋。

【請求項5】2枚の袋形成用紙が重ね合わされ、一辺のみが開口するように外周が封鎖された、前記2枚の袋形成用紙の間に開口部から被収納物を収納可能な収納紙袋であって、

前記2枚の袋形成用紙のうち、少なくとも一方の袋形成用紙の開口端がミシン目によって裁断されている収納紙袋。

## 【発明の詳細な説明】

## 【0001】

【発明の属する技術分野】本発明は、例えば、封筒などの一辺のみが開口するように外周が封鎖された2枚の紙の間に被収納物を収納可能な収納紙袋に関する。

## 【0002】

【従来の技術】例えば、写真やフィルムを取次店を介して依頼主と現像所との間で受け渡しを行うために、写真やフィルムを収納するためにDP (Developing Printing) 袋と呼ばれる収納紙袋が用いられている。上記のDP袋は、例えば、図7(a)および(b)に示すように、DP袋1は、上紙2とこの上紙2の長手方向の寸法よりも大きくして上紙2との間に段差を有する下紙3を重ね合わせ、上紙2と下紙3との相対する三周辺を接着剤5を介して接着してある。上紙2および下紙3の残りの一辺は接着されておらず、この一辺側が開口部9となっている。また、上紙2上には、複数枚のカーボン紙およびノンカーボン紙からなる帳票6が重ねて接着されており、所定の情報を記入可能となっている。上紙2および

下紙3の両側部には、送り用の孔4aが所定間隔で配列されたマージナルパンチ部4が形成されている。このマージナルパンチ部4は、DP袋1を連続して形成する際またはDP袋1に印字する際に、巻き取り機のスプロケットに噛み合い、回転するスプロケットによって孔4aの配列方向に搬送される。

【0003】DP袋1の製造は、例えば、所定の印刷を施し、両側部にマージナルパンチ部4を形成した2枚の連続用紙を用意する。一方の連続用紙には、長手方向にミシン目をDP袋1の下紙3の長さの間隔で形成する。また、他方の連続用紙には、上紙2と下紙3との矩形状の段差部分を連続するマージナルパンチ部4を残してカッターによって梯子状に裁断する。そして、2枚の連続用紙を巻き取り機に装着し、上記の2枚の連続用紙の所定の位置に接着剤5を塗布し、両者を順次貼り合わせる。これによって、DP袋1が連続した状態で形成され、上記のミシン目を例えばバースタによって切断することによって、DP袋1が完成する。

## 【0004】

【発明が解決しようとする課題】しかしながら、上記のようなDP袋1は、上紙2の開口端部2aは、カッターによって裁断されているため、非常に鋭利となっており、開口部9を広げて、写真やフィルムをDP袋1内に収納したり、DP袋1内から取り出したりする際に、指先等の皮膚を傷つけることがあった。

【0005】本発明は、かかる従来の収納紙袋における不利益を解消すべくなされたものであって、収納紙袋への開口部を通じた被収納物の出し入れの際に、収納紙袋の開口端に指先等の皮膚が接触することによって皮膚が傷つくおそれのない収納紙袋を提供することを目的とする。

## 【0006】

【課題を解決するための手段】本発明に係る収納紙袋は、2枚の袋形成用紙が重ね合わされ、一辺のみが開口するように外周が封鎖された、前記2枚の袋形成用紙の間に開口部から被収納物を収納可能な収納紙袋であって、前記2枚の袋形成用紙のうち、少なくとも一方の袋形成用紙の開口端部が曲線状に形成されている。

【0007】好ましくは、前記少なくとも一方の袋形成用紙の開口端部は、繰り返し波状に形成されている。

【0008】本発明に係る収納紙袋は、2枚の袋形成用紙が重ね合わされ、一辺のみが開口するように外周が封鎖された、前記2枚の袋形成用紙の間に開口部から被収納物を収納可能な収納紙袋であって、前記2枚の袋形成用紙のうち、少なくとも一方の袋形成用紙の開口端部が当該収納袋の内側および外側のいずれか一方に曲折されている。

【0009】本発明に係る収納紙袋は、2枚の袋形成用紙が重ね合わされ、一辺のみが開口するように外周が封鎖された、前記2枚の袋形成用紙の間に開口部から被



3

納物を収納可能な収納紙袋であって、前記2枚の袋形成用紙のうち、少なくとも一方の袋形成用紙の開口端の近傍に当該開口端に沿ってミシン目が形成されている。

【0010】本発明に係る収納紙袋は、2枚の袋形成用紙が重ね合わされ、一辺のみが開口するように外周が封鎖された、前記2枚の袋形成用紙の間に開口部から被収納物を収納可能な収納紙袋であって、前記2枚の袋形成用紙のうち、少なくとも一方の袋形成用紙の開口端がミシン目によって裁断されている。

【0011】

【発明の実施の形態】以下、本発明の実施の形態を図面を参照して詳細に説明する。

#### 第1実施形態

図1は、本発明に係る収納紙袋の第1の実施形態を示す説明図であって、(a)は斜視図であり、(b)は断面図である。図1に示すように、収納紙袋10は、矩形状の上紙2とこの上紙2の長手方向の寸法よりも若干大きくして上紙2との間に段差を有する下紙3が重ね合わされた状態になっている。上紙2と下紙3との相対する三周辺は、接着剤5を介して接着してある。また、上紙2および下紙3の両側部には、送り用の孔4aが所定間隔で配列されたマージナルパンチ部4が形成されている。

【0012】また、上紙2および下紙3の残りの一辺は接着されておらず、この一辺側が開口部9となっており、開口部9側に位置する上紙2の開口端部2bは、繰り返し波状の曲線で形成されている。さらに、上紙2上には、複数枚のカーボン紙およびノンカーボン紙からなる帳票6が重ねて接着されており、例えば、顧客の氏名や日付等の情報を記入可能となっている。

【0013】上記のように構成される収納紙袋10の製造は、例えば、所定の印刷を施し、両側部にマージナルパンチ部4を形成した、上紙2および下紙3を形成するための2枚の連続用紙を用意する。下紙3を形成するための連続用紙には、長手方向にミシン目を下紙3の長さの間隔で形成する。上紙2を形成するための連続用紙には、上紙2と下紙3との矩形状の段差部分を形成する。上紙2を形成するための連続用紙に段差部分を形成する際には、マージナルパンチ部4を残してカッターによって梯子状に裁断する。このとき、段差部分の一方の辺は、上記した繰り返し波状の曲線に裁断する。繰り返し波状の曲線に裁断するには、たとえば、切断刃が繰り返し波状の曲線に形成されたカッターによって裁断する。そして、2枚の連続用紙を巻き取り機に装荷し、上記の2枚の連続用紙の所定の位置に接着剤5を塗布し、両者を順次貼り合わせる。これによって、図1に示す収納紙袋10が連続した状態で形成される。次いで、連続した状態で形成された収納紙袋10は、下紙3形成用の連続用紙に形成されたミシン目を例えばバスタによって切断することによって、単体の収納紙袋10が完成する。

【0014】上記のように構成される収納紙袋10は、

(3)

特開平10-324344

4

開口部9を開いて、上紙2と下紙3との間に、例えば写真やフィルム等の被収納物を収納し、開口部9を通じて被収納物を取り出す。収納紙袋10の開口部9を開いて被収納物を収納および取り出しする動作を行うと、指先等の皮膚が開口部9側に位置する上紙2の開口端部2bに接触することがある。本実施形態では、図2に示すように、矢印Aの位置の開口端部2bに指先等の皮膚が触れると、上紙2の開口端部2bが繰り返し波状の曲線に形成されていることから、この部分が容易にたわみ、開口端部2bの縁部である裁断部2cに皮膚が接触しにくくなる。このため、上紙2の開口端部2bの縁部である裁断部2cによって皮膚が傷つけられるのを極力防止することができる。

【0015】また、本実施形態では、下紙3の両端部3aは、ミシン目によって切断されているため、切断部が鋭利となっておらず、下紙3の両端部3aに接触しても皮膚が傷つけられるおそれがない。なお、本実施形態においては、上紙2の開口端部2bの形状を繰り返し波状としたが、他の曲線形状でも開口端部2bがたわみやすく形成されていれば良い。

#### 【0016】第2実施形態

図3は、本発明の収納紙袋の第2の実施形態を示す斜視図である。図3に示す収納紙袋20と第1実施形態において説明した収納紙袋10との間で異なる点は、上紙2の開口端の構造であり、その他の点については同じである。図3において、収納紙袋20の上紙2の開口端部2bは直線的に形成され、上紙2にはこの開口端部2bに沿ってミシン目2cが形成されている。このミシン目2cは、収納紙袋20を製造する際に、上記した上紙2を形成するための連続用紙に予め所定間隔で形成しておく。

【0017】収納紙袋20の開口端部2bに沿ってミシン目2cを形成しておくことにより、図4に示すように、収納紙袋20の開口部9を開いて被収納物を収納および取り出しする動作を行って矢印Bの位置に指先等の皮膚が接触すると、開口端部2bはミシン目2cにおいて曲折しやすくなる。このため、開口端部2bの縁部である裁断部2dに皮膚が接触しにくくなり、上紙2の開口端部2bの縁部である裁断部2dによって皮膚が傷つけられるのを極力防止することができる。

#### 【0018】第3実施形態

図5は、本発明の収納紙袋の第3の実施形態を示す斜視図である。図5に示す収納紙袋30と第1および第2の実施形態において説明した収納紙袋10、20との間で異なる点は、上紙2の開口端の構造であり、その他の点については同じである。図5において、収納紙袋30の上紙2の開口端部2bは収納紙袋30の外側に折り曲げられている。このような構成とすることにより、収納紙袋20の開口部9を開いて被収納物を収納および取り出しする動作を行った際に、指先等の皮膚は開口端部2bを折り曲げた際に形成される曲折部2eに接触すること

(4)

特開平10-324344

5

6

になる。曲折部2fは、鋭利ではないため、皮膚が傷つけられることは全くない。なお、本実施形態においては、上紙2の開口端2bを収納紙袋30の外側に折り曲げた構成としたが、収納紙袋30の内側に折り曲げて同様な作用効果が得られる。

#### 【0019】第4実施形態

図6は、本発明の収納紙袋の第4の実施形態を説明するため上紙2の平面図である。図6では、上紙2の開口端部2b付近のみを示したが、他の部分の構成は上記した第1～第3の実施形態と同様である。図6において、上紙2の開口端部2bの縁部は、ミシン目によって切断されており、ミシン目によって切断されることにより切断部分2fが残存した状態となっている。切断部分2fが残存しているため、上紙2の開口端部2bの縁部は鋭利になっていない。したがって、収納紙袋の開口部を開いて被収納物を収納および取り出しする動作を行った際に、上紙2の開口端部2bの縁部に皮膚が接触しても、皮膚が傷つくおそれがない。

【0020】以上説明したように、上記した実施形態に係る収納紙袋によれば、収納紙袋の開口端で皮膚を傷つけることがなく、安全な収納紙袋となる。なお、本実施形態では、収納紙袋を連続して製造する際に、収納紙袋を一列に連続させ、その両側にマージナルパンチ部4を形成する構成としたが、収納紙袋を複数列に配置して、複数並んだ収納紙袋の両端にマージナルパンチ部4を形成することにより、製造効率を向上させることができる。

【0021】

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\*【発明の効果】本発明によれば、開口端部に皮膚が接触しても、皮膚を傷つけることがなく、被収納物の収納および取り出しを安全に行うことができる収納紙袋を得ることができる。

#### 【図面の簡単な説明】

【図1】本発明に係る収納紙袋の第1の実施形態を示す説明図であって、(a)は斜視図であり、(b)は断面図である。

【図2】図1の上紙の開口端部に皮膚等が接触した状態を示す説明図である。

【図3】本発明の収納紙袋の第2の実施形態を示す斜視図である。

【図4】図4の上紙の開口端部に指先等の皮膚が接触した状態を示す説明図である。

【図5】図5(a)は本発明の収納紙袋の第3の実施形態を示す斜視図であり、(b)は断面図である。

【図6】本発明の収納紙袋の第4の実施形態を説明するため上紙2の平面図である。

【図7】従来の収納紙袋の構造の一例を示す説明図であり、(a)は斜視図であり、(b)は断面図である。

#### 【符号の説明】

10、20、30…収納紙袋

2…上紙

2b…開口端部

3…下紙

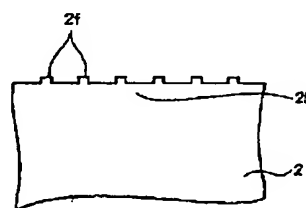
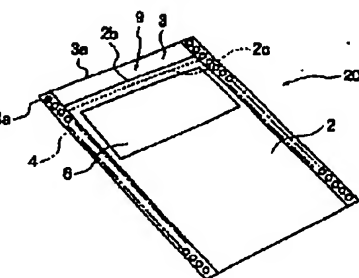
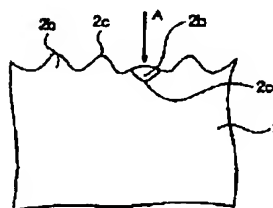
4…マージナルパンチ部

9…開口部

【図2】

【図3】

【図6】



(5) ー

特開平10-324344

